

Title (en)
IMAGING MODIFICATION, DISPLAY AND VISUALIZATION USING AUGMENTED AND VIRTUAL REALITY EYEWEAR

Title (de)
BILDGEBUNGSVERÄNDERUNG, ANZEIGE UND VISUALISIERUNG MIT EINER BRILLE DER ERWEITERTEN UND VIRTUELLEN REALITÄT

Title (fr)
MODIFICATION, AFFICHAGE ET VISUALISATION D'IMAGES À L'AIDE DE LUNETTES DE RÉALITÉ AUGMENTÉE ET VIRTUELLE

Publication
EP 3488283 A4 20200408 (EN)

Application
EP 17835070 A 20170724

Priority

- US 201662366599 P 20160725
- US 201662396071 P 20160916
- US 201662440332 P 20161229
- US 2017043555 W 20170724

Abstract (en)
[origin: WO2018022523A1] A display system can include a head-mounted display configured to project light to an eye of a user to display augmented reality image content to the user. The display system can include one or more user sensors configured to sense the user and can include one or more environmental sensors configured to sense surroundings of the user. The display system can also include processing electronics in communication with the display, the one or more user sensors, and the one or more environmental sensors. The processing electronics can be configured to sense a situation involving user focus, determine user intent for the situation, and alter user perception of a real or virtual object within the vision field of the user based at least in part on the user intent and/or sensed situation involving user focus. The processing electronics can be configured to at least one of enhance or de-emphasize the user perception of the real or virtual object within the vision field of the user.

IPC 8 full level
G06F 3/01 (2006.01); **A61B 17/00** (2006.01); **A61B 34/00** (2016.01); **A61B 34/20** (2016.01); **A61B 90/00** (2016.01); **A61B 90/50** (2016.01); **G02B 27/01** (2006.01); **G06F 3/03** (2006.01); **G06T 19/20** (2011.01)

CPC (source: EP IL KR US)
A61B 34/00 (2016.02 - IL); **A61B 34/25** (2013.01 - EP IL US); **A61B 90/36** (2016.02 - EP IL US); **A61B 90/37** (2016.02 - EP IL US); **B60K 35/10** (2024.01 - EP IL KR); **B60K 35/22** (2024.01 - EP IL KR); **B60K 35/26** (2024.01 - EP IL KR); **B60K 35/28** (2024.01 - EP IL KR); **B60K 35/60** (2024.01 - EP IL KR); **B60K 35/80** (2024.01 - EP IL KR); **B60K 35/90** (2024.01 - EP IL KR); **G02B 27/0093** (2013.01 - KR); **G02B 27/01** (2013.01 - EP IL US); **G02B 27/0172** (2013.01 - EP IL KR US); **G06F 3/011** (2013.01 - EP IL US); **G06F 3/012** (2013.01 - EP IL KR US); **G06F 3/013** (2013.01 - EP IL KR US); **G06F 3/017** (2013.01 - EP IL KR US); **G06F 3/0304** (2013.01 - EP IL KR US); **G06T 19/006** (2013.01 - IL KR US); **G06T 19/20** (2013.01 - IL KR); **G16H 20/40** (2018.01 - EP IL); **A61B 2017/00203** (2013.01 - EP IL US); **A61B 2017/00207** (2013.01 - EP IL US); **A61B 2017/00216** (2013.01 - EP IL US); **A61B 2034/2048** (2016.02 - EP IL US); **A61B 2034/254** (2016.02 - EP IL US); **A61B 2034/258** (2016.02 - EP IL US); **A61B 2090/365** (2016.02 - EP IL US); **A61B 2090/367** (2016.02 - EP IL US); **A61B 2090/368** (2016.02 - EP IL US); **A61B 2090/371** (2016.02 - EP IL US); **A61B 2090/372** (2016.02 - EP IL US); **A61B 2090/378** (2016.02 - EP IL US); **A61B 2090/502** (2016.02 - EP IL US)

Citation (search report)

- [X] US 2014198017 A1 20140717 - LAMB MATHEW J [US], et al
- [I] WO 2015077766 A1 20150528 - PCMS HOLDINGS INC [US]
- [I] US 2014192084 A1 20140710 - LATTA STEPHEN [US], et al
- [I] US 2014125558 A1 20140508 - MIYAJIMA YASUSHI [JP], et al
- [I] US 2016098861 A1 20160407 - SISBOT EMRAH AKIN [US], et al
- [A] US 2011112756 A1 20110512 - WINKLER MARCUS [BE], et al
- [A] US 2015241707 A1 20150827 - SCHOWENGERDT BRIAN T [US]
- See also references of WO 2018022523A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018022523 A1 20180201; AU 2017301435 A1 20190207; AU 2017301435 B2 20220714; AU 2022252723 A1 20221103; AU 2022252723 B2 20230824; AU 2023214273 A1 20230831; AU 2023214273 B2 20240912; CA 3031771 A1 20180201; CN 109791295 A 20190521; EP 3488283 A1 20190529; EP 3488283 A4 20200408; EP 3488283 B1 20240214; EP 4345831 A2 20240403; EP 4345831 A3 20240424; IL 264350 A 20190228; IL 264350 B 20220601; IL 292427 A 20220601; IL 292427 B1 20230101; IL 292427 B2 20230501; IL 298851 A 20230201; IL 298851 B1 20230801; IL 298851 B2 20231201; IL 304145 A 20230901; JP 2019533824 A 20191121; JP 2022087104 A 20220609; JP 2023126317 A 20230907; JP 7182538 B2 20221202; KR 102461953 B1 20221031; KR 102577634 B1 20230911; KR 20190027930 A 20190315; KR 20220149632 A 20221108; KR 20230133940 A 20230919; NZ 750172 A 20230825; US 10838210 B2 20201117; US 11327312 B2 20220510; US 11808943 B2 20231107; US 2019011703 A1 20190110; US 2020183171 A1 20200611; US 2022107502 A1 20220407; US 2024053612 A1 20240215

DOCDB simple family (application)
US 2017043555 W 20170724; AU 2017301435 A 20170724; AU 2022252723 A 20221011; AU 2023214273 A 20230809; CA 3031771 A 20170724; CN 201780059031 A 20170724; EP 17835070 A 20170724; EP 24157237 A 20170724; IL 26435019 A 20190120; IL 29242722 A 20220424; IL 29885122 A 20221206; IL 30414523 A 20230629; JP 2019503537 A 20170724; JP 2022039089 A 20220314; JP 2023111338 A 20230706; KR 20197005428 A 20170724; KR 20227037695 A 20170724; KR 20237030543 A 20170724; NZ 75017217 A 20170724; US 201715657589 A 20170724; US 202016790576 A 20200213; US 202117644776 A 20211216; US 202318475688 A 20230927